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Joint Photographic Intelligence Report

**WU-CHANG SHIPYARD
WU-CHANG, CHINA**



NAVY



CIA

**PIC/JR-1005/59
NOVEMBER 1959**

**CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE CENTER**

Declass Review by NIMA / DoD

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W A R N I N G

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WU-CHANG SHIPYARD
WU-CHANG, CHINA

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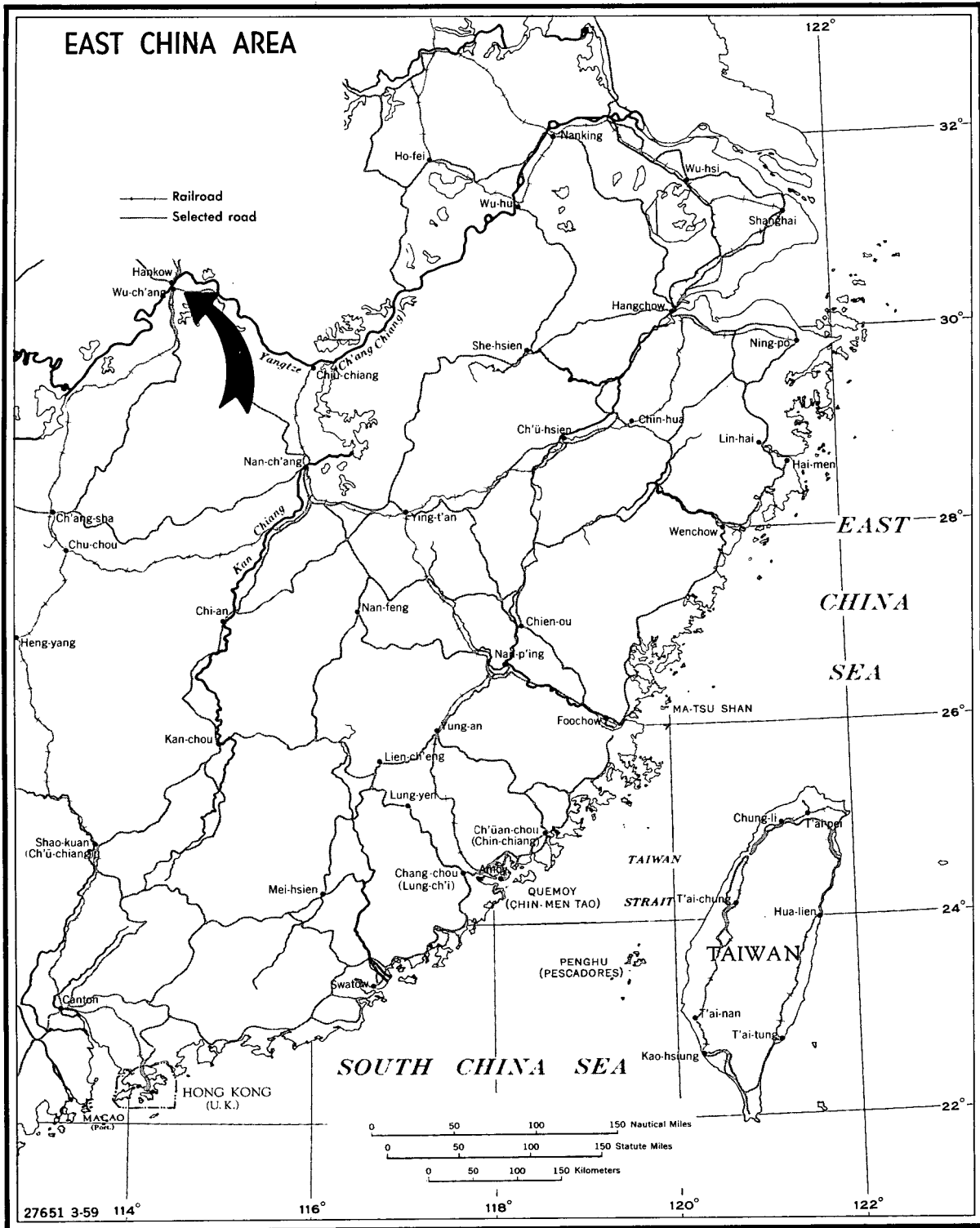
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
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WU-CHANG SHIPYARD
WU-CHANG, CHINA


The Wu-chang Shipyard (30°32'N/114°17'E) in Wu-chang, China, is located at the junction of the Hsun-ssu and Yangtze Rivers. This shipyard, completed about  has gained importance as a possible construction site for submarines and minesweepers.

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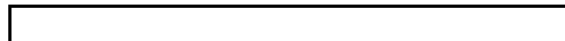
Wu-chang Shipyard was covered by fair quality, large-scale aerial photography on  A study of this photography revealed considerable construction activity on the building ways, including two possible "W" Class submarines and two unidentified vessels, 200 by 40 feet. There were no indications of any minesweeper construction. The major components of the shipyard are identified and described on the accompanying line drawing and key to annotations. Also enclosed are two

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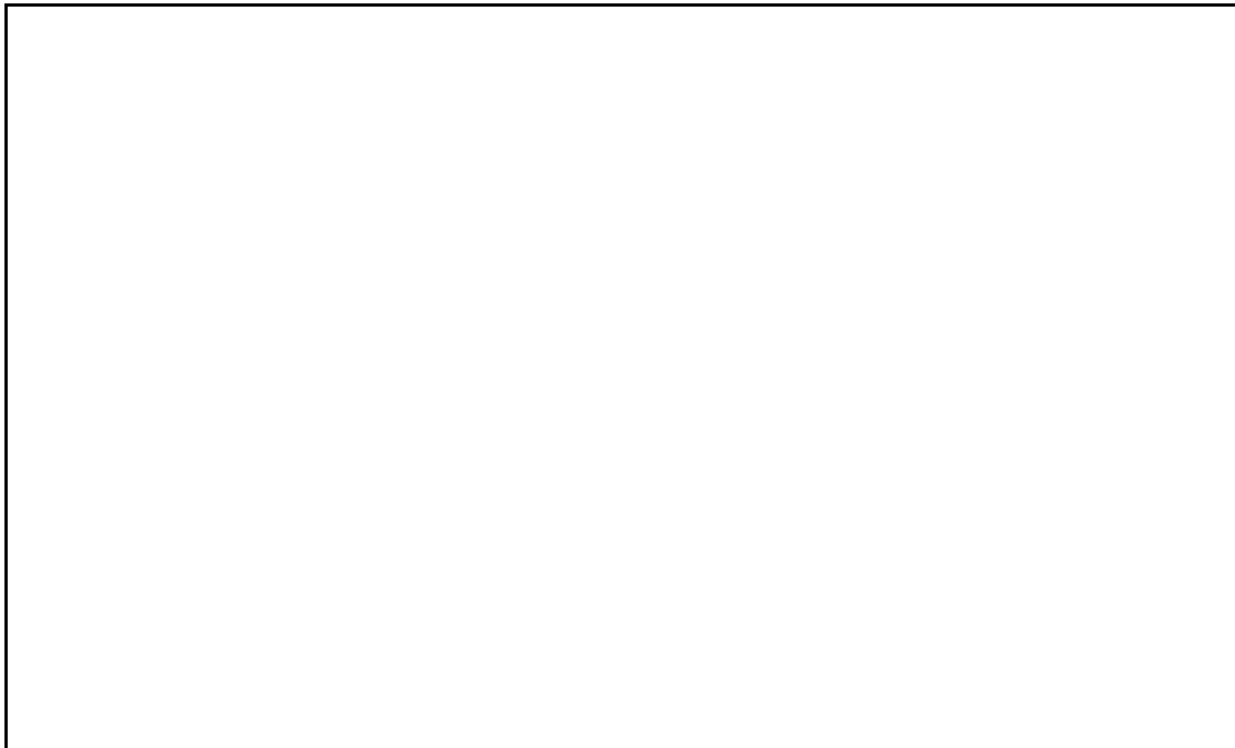
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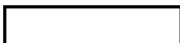
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ground photos revealing some of the major shop buildings of the shipyard. It appears that fitting out operations at this shipyard are performed either on the building ways or elsewhere on the river after launching occurs.



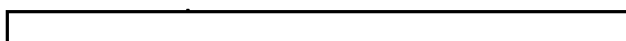
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The Soviet-styled launching system consists principally of a transfer platform (Figure 3, Item 32a) and launching barge (Item 32b). From either the repair yard (Item 34) or the building ways (Item 29) a vessel may be moved longitudinally onto the marine railway carriage (Item 32c) and then moved laterally along the transfer platform to a point forward and on line with the launching barge. When properly positioned the vessel, via a set of rails, is moved longitudinally off the carriage and onto the barge. The barge then moves into deeper water where launching occurs.

The following vessels were observed in  in the vicinity of the boatyard: one dredge, 220 feet long; two "W" Class submarines, 245 feet long; one barge, 145 feet long; one barge, 110 feet long; and numerous smaller river craft.

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KEY TO ANNOTATIONS

1. Warehouse, pitched roof, 80' x 25'.
2. Administration, design, and engineering building, multistory, flat roof, 240' x 70'.
3. Three unidentified buildings: one L-shaped, 90' x 40' and 35' x 30'; one 110' x 40'; and one 115' x 50'.
4. Shop-type building, two sections with pitched roofs and one with flat roof, 200' x 150'. Close by is a storage building, pitched roof, 140' x 60'.
5. Machine shop, saw-tooth roof, 210' x 195' with flat-roofed extension, 195' x 35'.
6. T-head pier.
7. Storage-type building, pitched roof, 140' x 60'.
8. Possible foundry and forge, double-pitched roof, 150' x 135'.
9. T-head pier.
10. Shop, monitor-roof, 155' x 50'. Two adjacent storage buildings, pitched roofs, 110' x 40' and 155' x 50'.
11. Shop, monitor roof, 135' x 70'.
12. Storage building, pitched roof, 120' x 50'.
13. Two storage buildings, each 90' x 35'.
14. Unidentified building, irregularly-shaped, multisectional roof, covering 11,000 sq. ft.
15. Shop, flat roof, 80' x 40'.
16. Shop, double-monitor roof, 350' x 110'.
17. Shop, double-pitched roof, 310' x 90' with flat-roofed extension, 90' x 35'. Adjacent shop, shallow-pitched roof, 110' x 40'.
18. Shop, monitor roof, 230' x 145'.
19. Unidentified building, 115' x 75'.
20. Probable personnel building, irregularly-shaped, multisectional roof, covering 16,500 sq. ft.
21. Shop, double-pitched roof with narrow flat-roof extension, 210' x 80'. Possible administration section attached, pitched roof, 75' x 35'.
22. Two storage buildings, pitched roof, 210' x 55' and 110' x 55'.

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23. Fabrication and assembly building, multipitched roof with several monitors, 400' x 250'. Attached section, pitched roof, covers 21,000 sq. ft.
24. Warehouse, pitched roof, 300' x 80'.
25. Four probable barracks, hipped roof, each 80' x 40'.
26. Unidentified building, multisectional roof, covering approximately 12,000 sq. ft.
27. Two storage buildings, pitched roof, 150' x 40' and 125' x 40'.
28. Shop, multisectional roof, 190 feet square.
29. Building ways. Although the poor quality of photography prevents an exact determination of the number of building ways, it appears that there are seven ways averaging 650' long. Construction on the ways includes two unidentified vessels, each 200' x 40'; two possible submarine pressure hulls, each [REDACTED] (these dimensions suggest the "W" Class submarine), and several other smaller vessels, protected by canvas canopies or shed-type structures.
30. Shed, pitched roof, 130' x 30'.
31. Shed, pitched roof, 130' x 30'.
32. Launching system:
 - (32a) Transfer platform, 640' x 250'. Consists of a series of evenly-spaced rails, possibly 12-14 in number. The poor quality of photography prevents a more detailed interpretation.
 - (32b) Launching barge, [REDACTED]
 - (32c) Marine railway carriage, 250' long. This carriage is supported by the rails of the transfer platform and is cable-operated.
 - (32d) Winch house, 115' x 35', located at the river end of the transfer platform.
33. Unidentified building, irregularly-shaped, multisectional roof, covering 8,400 sq. ft.
34. Possible repair yard. This area, 440' x 370', appears to be utilized for ship repair or storage.
35. Shop, pitched roof, 175' x 50'.
36. Storage building, double-pitched roof, 135' x 50'.

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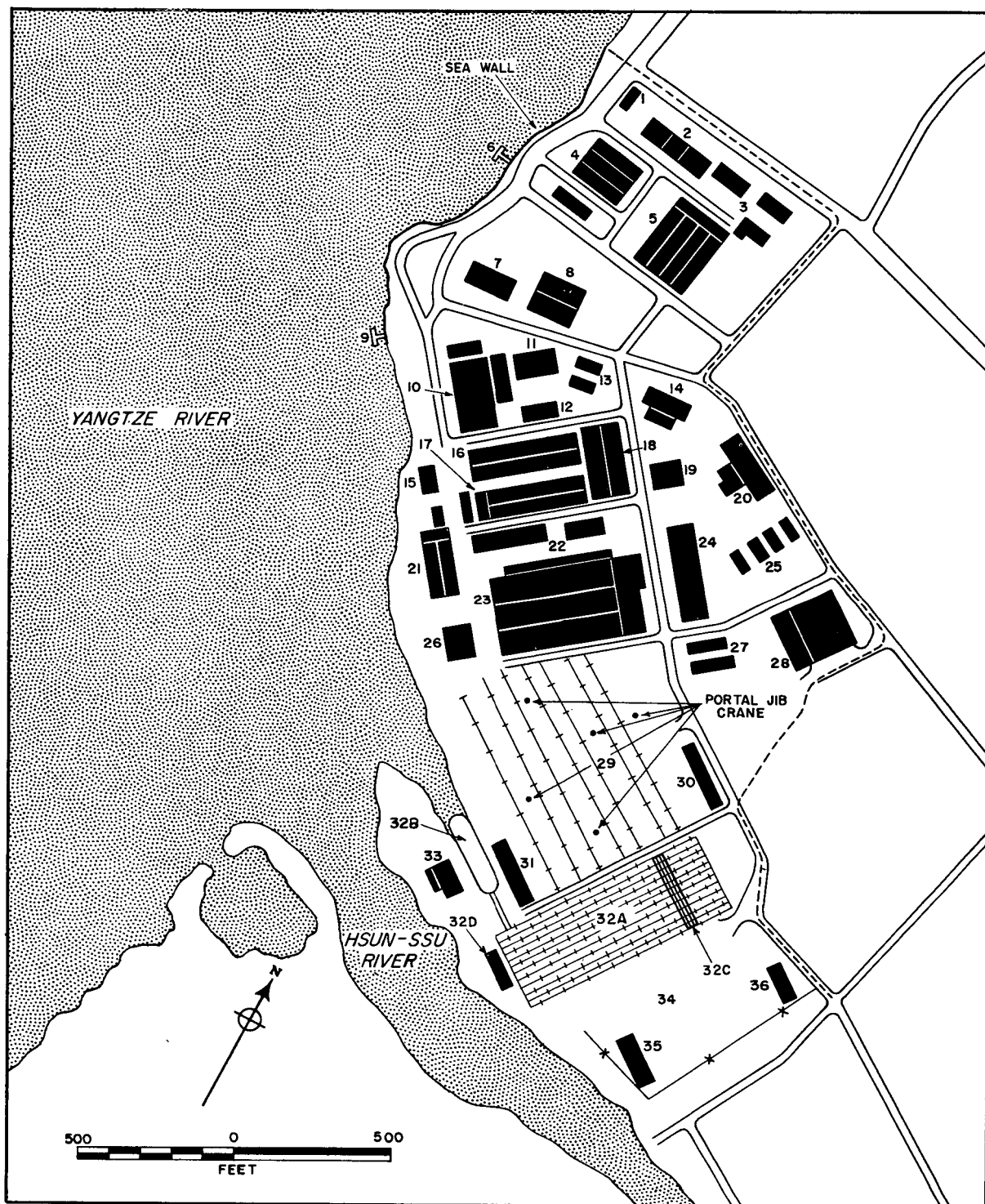


FIGURE 3. WU-CHANG SHIPYARD.

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REQUIREMENT: Prepared in answer to Navy Requirement DNI 409-59 and CIA Requirement RR/E/R43/59 requesting a detailed description of Wu-chang Shipyard and construction activity therein.



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MAP DATA: ATMP



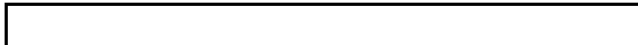
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COORDINATES: 30°32'N/114°17'E

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